



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :

C12Q 1/68

A2

(11) International Publication Number:

WO 00/23615

(43) International Publication Date:

27 April 2000 (27.04.00)

(54) International Application Number: PCT/DK99/00562

(22) International Filing Date: 15 October 1999 (15.10.99)

(30) Priority Data:

PA 1998 01320

15 October 1998 (15.10.98)

DK

(71) Applicant (for all designated States except US): BIOIMAGE A/S [DK/DK]; Mørkhøj Bygade 28, DK-2860 Søborg (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ARKHAMMAR, Per, O., G. [SE/SE]; Helmfeltsgatan 13, S-254 40 Helsingborg (SE); TERRY, Bernard, Robert [GB/DK]; Frederiksberg Allé 15, 1., DK-1820 Frederiksberg C (DK); SCUDDER, Kurt, Marshall [US/DK]; Lavendelhaven 70, DK-2830 Virum (DK); BJØRN, Sara, Petersen [DK/DK]; Klampenborgvej 102, DK-2800 Lyngby (DK); THASTRUP, Ole [DK/DK]; Birkevej 37, DK-3460 Birkerød (DK); HAGEL, Grith [DK/DK]; Harevænget 109, DK-2791 Dragør (DK).

(74) Agent: PLOUGMANN, VINGTOFT & PARTNERS A/S; Sankt Annæ Plads 11, P.O. Box 3007, DK-1021 Copenhagen K (DK).

(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: AN IMPROVED METHOD FOR EXTRACTING QUANTITATIVE INFORMATION RELATING TO AN INFLUENCE ON A CELLULAR RESPONSE

(57) Abstract

An improved method and tools for quantifying the effect of an influence on cellular response is described. In particular, an improved method is described for detecting intracellular translocation or redistribution of biologically active polypeptides. The invention also describes several ways of contacting the cells with a substance influencing a cellular response and extracting quantitative information relating to the response in a highly parallel fashion. The method may be used as a very efficient procedure for testing or discovering the influence of a substance on a physiological process using commercially available parallel, high volume assay techniques, for example in connection with screening for new drugs, testing of substances for toxicity, and identifying drug targets for known or novel drugs.

hPKCbeta1-GFP ATP dose-response
in FLIPR (n=6)